

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
23 October 2003 (23.10.2003)

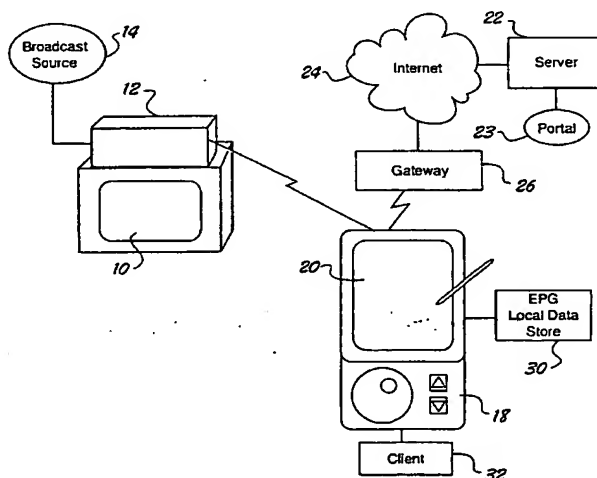
PCT

(10) International Publication Number
WO 03/088544 A1

- (51) International Patent Classification⁷: **H04J 15/00**
- (21) International Application Number: **PCT/US03/09881**
- (22) International Filing Date: **31 March 2003 (31.03.2003)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:
60/370,497 **5 April 2002 (05.04.2002)** **US**
- (71) Applicant (for all designated States except US): **MAT-SUSHITA ELECTRIC INDUSTRIAL CO., LTD.** [JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501 (JP).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **SITNIK, Eran** [US/US]; 3 Hillside Terrace, Ossining, NY 10562 (US). **MA, Yue** [US/US]; 6 Tiffany Ct., West Windsor, NJ 08550 (US). **CHANG, Chieh-Chung** [—/US]; 1702 Pheasant Run, Monmouth Jct., NJ 08852 (US). **FISH, Robert, S.** [US/US]; 83 Cottage Place, Gillette, NJ 07933 (US).
- (74) Agents: **STOBBS, Gregory, A. et al.; HARNESS, DICKY & PIERCE, P.L.C.**, P.O. Box 828, Bloomfield Hills, MI 48303 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Declaration under Rule 4.17:**
— of inventorship (Rule 4.17(iv)) for US only
- Published:**
— with international search report

[Continued on next page]

(54) Title: INTERNET PORTAL SYSTEM AND METHOD EMPLOYING HANDHELD DEVICE THAT CONNECTS TO BROADCAST SOURCE



(57) Abstract: A portal system employs a handheld media delivery device (18) adapted to receive broadcast media content having media content information, adapted to formulate a request based on the media content information, adapted to communicate the request for additional media content to the portal system (23), adapted to receive the additional media content from the portal system (23), and adapted to deliver the additional media content to a consumer (32). The handheld device has a request processor adapted to determine whether a connection to the portal system is available, queue requests locally, and store requests until the connection is available. The portal system includes an input adapted to receive a request for additional media content from the handheld media delivery device (18), and a retrieval mechanism adapted to retrieve additional media content based on the request. An output is adapted to communicate the additional media content to the handheld media delivery device (18), thereby supplementing the media content.

WO 03/088544 A1